

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 January 2005 (27.01.2005)

PCT

(10) International Publication Number
WO 2005/009063 A1

(51) International Patent Classification⁷: **H04Q 7/32, G06K 7/00**

(21) International Application Number:
PCT/IB2004/051216

(22) International Filing Date: **14 July 2004 (14.07.2004)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:
03102222.1 18 July 2003 (18.07.2003) EP

(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V. (NL/NL); Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).**

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GANZERA, Michael [AT/AT]; Triester Strasse 64, A-1101 Vienna (AT). SCHALK, Gerhard [AT/AT]; Triester Strasse 64, A-1101 Vienna (AT).**

(74) Agent: **RÖGGLA, Harald; Philips Intellectual Property & Standards, Triester Strasse 64, A-1101 Vienna (AT).**

(81) Designated States (unless otherwise indicated, for every kind of national protection available): **AI, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KB, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.**

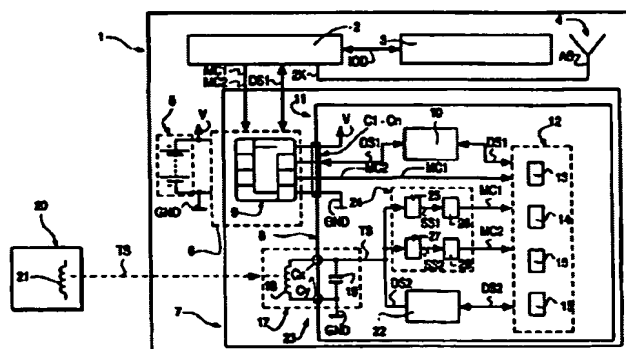
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): **ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).**

Published:

- with international search report
- before the expiration of the time limits for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **CIRCUIT FOR A DATA CARRIER, WHICH CIRCUIT CAN BE SWITCHED FROM AN ENERGY-SAVING PROCESSING MODE TO A NORMAL-CONSUMPTION PROCESSING MODE**



(57) Abstract: Provided in a circuit (8) for a data carrier (7) are a circuit part (12), which requires a relatively large amount of energy, and at least part of a contact interface (11) via which the circuit part (12) can be supplied with electrical energy, which circuit part (12) is designed to process data signals (DS1, DS2) in a normal-consumption processing mode and in an energy-saving processing mode in which less energy is required than in the normalconsumption processing mode, and which circuit part (12) can be switched into the energysaving processing mode when energy is being supplied via the contact interface (11) and which circuit part (12) can be switched, with the aid of a first mode change signal (MC 1) that can be fed thereto, from the energy-saving processing mode into the normal-consumption processing mode, and further provided in this circuit (8) is at least part of a contactless interface (23) via which a carrier signal (TS) can be received by the circuit (8), and furthermore provided in this circuit (8) is a mode change signal generation stage (24) which is designed to detect receipt of the carrier signal (TS) via the contactless interface (23) and, upon detection of the receipt of the carrier signal (TS), to generate and output the first mode change signal (MC1) to the circuit part (12).

WO 2005/009063 A1